

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A radio communications control system for controlling transmission power of a shared control channel for transmitting control signals to a plurality of mobile stations; the system comprising:

a determination unit configured to determine a communication quality of the shared control channel; and

a transmission power controller configured to control the transmission power of the shared control channel, ~~in accordance with~~ based on a transmission power of a dedicated channel accompanying the shared control channel[[,]] and the communication quality of the shared control channel received from the determination unit.

Claim 2 (Currently Amended): The radio communications control system as set forth in claim 1, wherein the transmission power controller is ~~arranged~~ configured to set the transmission power of the shared control channel, by changing the transmission power of the dedicated channel based on a power offset; and

the transmission power controller is ~~arranged~~ configured to control the power offset in accordance with the communication quality of the shared control channel.

Claim 3 (Currently Amended): The radio communications control system as set forth in claim 2, wherein the transmission power controller is ~~arranged~~ configured to use a block error rate of the shared control channel, as the communication quality of the shared control channel; and

the transmission power controller is ~~arranged~~ configured to control the power offset so that the block error rate of the shared control channel can be a target value.

Claim 4 (Currently Amended): The radio communications control system as set forth in claim 2, wherein a shared packet channel for transmitting packet data to the plurality of mobile stations is transmitted after the shared control channel;

the transmission power controller is ~~arranged~~ configured to use feedback information used for retransmission control in the shared packet channel, as the communication quality of the shared control channel; and

the transmission power controller is ~~arranged~~ configured to decrease the power offset when receiving the feedback information, and to increase the power offset when not receiving the feedback information.

Claim 5 (Currently Amended): The radio communications control system as set forth in claim 2, wherein a shared packet channel for transmitting packet data to the plurality of mobile stations is transmitted after the shared control channel; and

the transmission power controller is ~~arranged~~ configured to control the power offset in accordance with a service type of the shared packet channel.

Claim 6 (Currently Amended): The radio communications control system as set forth in claim 1, further comprising a maximum transmission power controller configured to control a maximum transmission power of the shared control channel during a predetermined period;

and wherein the transmission power controller is ~~arranged~~ configured to control the transmission power of the shared control channel so as not to exceed the maximum transmission power.

Claim 7 (Currently Amended): The radio communications control system as set forth in claim 6, wherein the maximum transmission power controller is ~~arranged~~ configured to control the maximum transmission power in accordance with a statistical value of the transmission power of the shared control channels.

Claim 8 (Currently Amended): The radio communications control system as set forth in claim 6, wherein the maximum transmission power controller is ~~arranged~~ configured to control the maximum transmission power so as not to exceed an upper limit value per each of the shared control channels.

Claim 9 (Currently Amended): A radio communications control method for controlling transmission power of a shared control channel for transmitting control signals to a plurality of mobile stations; the method comprising:

determining a communication quality of the shared control channel; and

controlling the transmission power of the shared control channel, ~~in accordance with~~ based on a transmission power of a dedicated channel accompanying the shared control channel[[,]] and the determined communication quality of the shared control channel.